

CHROMATOGRAPHY COLUMNS

ABSTRACT OF THE DISCLOSURE

A chromatography column suitable for small-scale laboratory use as a column tube resembling that of a syringe and a movable plunger which slides in the column tube. end filter arrangements are mounted by direct integration, e.g. melt-bonding of glass, into these components. A tubular stem providing an internal flow conduit to the end filter arrangement at the front end of the plunger is also integrally bonded behind the permeable filter portion. By making all of these operational components out of a formable, melt-bondable material, preferably glass which can also make sliding seals with itself, the resulting chromatography column is simple to use and unlikely to leak by comparison with conventional laboratory columns which use many discrete components.

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